

**INTERNATIONAL SEARCH REPORT**

PCT/IN 03/00466

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12P19/26

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

PAJ, BIOSIS, EPO-Internal, COMPENDEX, WPI Data, EMBASE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 015, no. 496 (C-0894), 16 December 1991 (1991-12-16) & JP 03 216194 A (ASAHI CHEM IND CO LTD), 24 September 1991 (1991-09-24) abstract	1-9
Y	MARUYAMA TATSUO ET AL: "Enzymatic synthesis of sugar amino acid esters in organic solvents." JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol. 94, no. 4, 2002, pages 357-361, XP002284330 ISSN: 1389-1723 the whole document	1-9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

16 June 2004

Date of mailing of the international search report

06/07/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>RIVA S ET AL: "Protease-catalyzed regioselective esterification of sugars and related compounds in anhydrous dimethylformamide"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 110, 1988, pages 584-589, XP002144262 ISSN: 0002-7863 the whole document</p>	1-9
Y	<p>PARK OH-JIN ET AL: "Protease-catalyzed synthesis of disaccharide amino acid esters in organic media"</p> <p>ENZYME MICROB TECHNOL; ENZYME AND MICROBIAL TECHNOLOGY AUG 1999 ELSEVIER SCIENCE INC, NEW YORK, NY, USA, vol. 25, no. 3-5, August 1999 (1999-08), pages 455-462, XP002284331 cited in the application the whole document</p>	1-9

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on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 03216194	A 24-09-1991	NONE	